1			NO 1999-2701	A 19990603	
+	AI	+	+PI	+	
AU 1997-4310		19970919	AU 9743104	Al 19980414	
AU 1998-5330)5 A	19971219	AU 734810 AU 9853305	B2 20010621 A1 19980717	
DE 1997-6970)2673 A	19971219	DE 69702673	CO 20000831	
EP 1997-9191	171 A	19970919	DE 69702673 EP 932843	T2 20010405 A1 19990804	
EP 1997-9502		19971219	EP 939910	A1 19990908	
CD 100C 10C0	20 7	10060020	EP 939910	B1 20000726	
GB 1996-1969 GB 1996-2644		19960920 19 <u>9</u> 61220	GB 9619699 GB 96264421	AO 19961106 AO 19970205	
GB 1997-2697		19971219	GB 2331971	A1 19990609	
			GB 2331971 GB 9726974	B2 19991117 A0 19980218	
GB 1999-5764	l A	19970919	GB 2332275	A1 19990616	
	•		GB 2332275 GB 9905764	B2 20010214 A0 19990505	
NO 1999-2701	L A	19990603	NO 310127	B1 20010521	
			NO 9902701	A 19990603	
US 1999-2690)16 A	19990317	NO 9902701 US 6353577	A0 19990603 BA 20020305	
US 2001-8932	234 A	20010626	US 2002126575	AA 20020912	
WO 1997- <u>GB25</u> WO 1997-GB35		19970919 19971219	WO 9812577 WO 9828636	A1 19980326 A1 19980702 > A \ \ - 0\frac{5}{3}	73
-				- 28 1- 59 400	' \
			publications	1000 Rouchers	
· · · · · · · · · · · · · · · · · · ·	9730	1361		713-513-2515	
WW/ MAY		11.	1 - 1 -		
W 5 15 5	61947	TILL	9812863	6 = PCT GB97/03	507
		600		4	,
V V					
			\sim		
			A	371	
N63 US 3	3774	571		371	
	3774		1	371	
			1	371	
	3774		1	371	_
169US 5	5443	027		3171	_ 7
169US 5	5443	027		371	
BUS 5	5443 A - 01	027	215		
WED 5	5443 A - 01	027	215	371	
BUS 5	5443	027	215		
WOUS 5	5443 A - 01 4745	027	3		
WOUS 5	5443 A - 01 4745	027	3		
WOUS 5	5443 A - 01 4749	027	36	100096211	
WOUS S	5443 A - 01 4749	027	36		
WOUS S	5443 A - 01 4749	027	36	10096211 Ins	63
WED US CO	5443 A - 01 4749	027	3	10096211 Ins	63
US S SP US V WOOT	5443 A - 01 4749	027	315 36 103507	10096211 105 -3605674	63
WE WOUND OF THE STREET	5443 A-01 4749 482 /GB	027	36	10096211 105 -3605674 49.12686	63
WED US CO	5443 A-01 4743 482 4711	027	315 36 103507	10096211 105 -3605674 49.12686	63
100 EP S O WPCT 897	5443 A-01 4743 482 4711	027	315 36 103507	10096211 105 -3605674 49.12686	63
100 EP S O WPCT 897	5443 A-01 4743 4871 4011	027 1937 568 97 194 753	315 36 103507 Fower	10096211 105 -3605674	63
10 S 5 S S S S S S S S S S S S S S S S S	5443 A-01 4743 4871 4011	027 1937 568 97 194 753	315 36 103507 Fower	10096211 3605674 49.12689 540274	63
100 EP S O WPCT 897	5443 A-01 4743 482 4711	027 1937 568 97 194 753	315 36 103507 Fower	10096211 3605674 49.12689 540274	63

20 Dec 1990 Dec Payo 1 Role June 26, 2001 39 1893 234 V 69/284,030 APRIL 06,1999 6353577 LAWA Foreico Application Dec /20/1996 UK 9626947.9 (PUL) 19 Die 1991 > July 02, 1998 98128636 PCT GB97 103507 3-15 (FILA BEC 20, 1971 "PLIORITY TO 9626442.9 2 Dec 19, 1995 9726974.0 PUBDIT June 66, 1999 GB/2331997 € [9 Dec 1997] W04812577 WO 9824636

```
ANSWER 1 OF 9 WPIX COPYRIGHT 2003 THOMSON DERWENT on STN
L2
     1998-377798 [32]
                         WPTX
ΑN
     N1998-295320
DNN
     Control device for marine seismic streamer - has attached control device
TI
     with controllable wings which are rotated to control lateral position and
     S03 V06 W06
DC
     BITTLESTON, S H
ΙN
     (SLMB) SCHLUMBERGER HOLDINGS LTD; (SLMB) SERVICES PETROL SCHLUMBERGER;
PΑ
     (GECO-N) GECO AS; (BITT-I) BITTLESTON S H
CYC
     79
                    A1 19980702 (199832) * EN
                                                16p
PΙ
     WO 9828636
        RW: AT BE CH DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA
             PT SD SE SZ UG ZW
         W: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GE GH
            HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX
            NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU
     AU 9853305
                    A 19980717 (199848)
                    A 19990609 (199925)
     GB 2331971
                    A 19990603 (199937)
     NO 9902701
                    A1 19990908 (199941)
     EP 939910
                                           EN
         R: DE FR IT NL SE
                  B 19991117 (199951)
     GB 2331971
                    B1 20000726 (200036)
     EP 939910
         R: DE FR IT NL SE
     DE 69702673 E 20000831 (200050)
     NO 310127
                    B1 20010521 (200131)
     AU 734810
                    В 20010621 (200141)
     US 2002126575 A1 20020912 (200262)
    WO 9828636 A1 WO 1997-GB3507 19971219; AU 9853305 A AU 1998-53305
     19971219; GB 2331971 A GB 1997-26974 19971219; NO 9902701 A WO 1997-GB3507
     19971219, NO 1999-2701 19990603; EP 939910 A1 EP 1997-950296 19971219, WO 1997-GB3507 19971219; GB 2331971 B GB 1997-26974 19971219; EP 939910 B1 EP
     1997-950296 19971219, WO 1997-GB3507 19971219; DE 69702673 E DE
     1997-602673 19971219, EP 1997-950296 19971219, WO 1997-GB3507 19971219; NO 310127 B1 WO 1997-GB3507 19971219, NO 1999-2701 19990603; AU 734810 B AU
     1998-53305 19971219; US 2002126575 A1 Cont of US 1999-284030 19990406, US
     2001-893234 20010626
     AU 9853305 A Based on WO 9828636; EP 939910 A1 Based on WO 9828636; EP
     939910 B1 Based on WO 9828636; DE 69702673 E Based on EP 939910, Based on
     WO 9828636; NO 310127 B1 Previous Publ. NO 9902701; AU 734810 B Previous
     Publ. AU 9853305, Based on WO 9828636
PRAI GB 1996-26442
                       19961220
          9828636 A UPAB: 19980812
     The marine seismic streamer is an elongated cable-like structure which is
     typically several thousand meters long, and contains an array of
     hydrophones and electronic equipment. The streamer control device (10) has
     an elongated streamlined body (12) which is mechanically and electrically
     connected in series with a multi-section streamer (14).
          Each end of the body has a connector (16,18). The device has two
     opposed control surfaces or wings (24), typically moulded from
     fibre-reinforced plastics, projecting outwards from the body. A control
     system (26) rotates the wings to control the lateral position and the
     depth of the streamer.
          ADVANTAGE - Improves the control of the lateral position and depth of
     the streamer.
     Dwg.1/5
                    A1 19980702 (199832)* EN
                                                 16p
                                                        G01V001-38
PΙ
        RW: AT BE CH DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA
```

STIC SCARCh Keep in File

```
PT SD SE SZ UG ZW
        W: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GE GH
           HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX
           NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU
                A 19980717 (199848)
    AU 9853305
                                                    G01V001-38
                A 19990609 (199925)
    GB 2331971
                                                    G01V001-20
                 A 19990603 (199937)
    NO 9902701
                 A1 19990908 (199941) EN
        R: DE FR IT NL SE
                                                    G01V001-38
                в 19991117 (199951)
    GB 2331971
                 B1 20000726 (200036) EN
                                                    G01V001-38
    EP 939910
        R: DE FR IT NL SE
                                                    G01V001-38
    DE 69702673 E 20000831 (200050)
                                                    G01V001-20
                  B1 20010521 (200131)
    NO 310127
                                                    G01V001-38
                  B 20010621 (200141)
    AU 734810
    US 2002126575 A1 20020912 (200262)
                                                    G01V001-38
ADT WO 9828636 A1 WO 1997-GB3507 19971219; AU 9853305 A AU 1998-53305
    19971219; GB 2331971 A GB 1997-26974 19971219; NO 9902701 A WO 1997-GB3507
    19971219, NO 1999-2701 19990603; EP 939910 A1 EP 1997-950296 19971219, WO
    1997-GB3507 19971219; GB 2331971 B GB 1997-26974 19971219; EP 939910 B1 EP
    1997-950296 19971219, WO 1997-GB3507 19971219; DE 69702673 E DE
    1997-602673 19971219, EP 1997-950296 19971219, WO 1997-GB3507 19971219; NO
    310127 B1 WO 1997-GB3507 19971219, NO 1999-2701 19990603; AU 734810 B AU
    1998-53305 19971219; US 2002126575 A1 Cont of US 1999-284030 19990406, US
    2001-893234 20010626
FDT AU 9853305 A Based on WO 9828636; EP 939910 A1 Based on WO 9828636; EP
    939910 B1 Based on WO 9828636; DE 69702673 E Based on EP 939910, Based on
    WO 9828636; NO 310127 B1 Previous Publ. NO 9902701; AU 734810 B Previous
    Publ. AU 9853305, Based on WO 9828636
```

19961220

PRAI GB 1996-26442

Control of Party of Party

L2 ANSWER 2 OF 9 INPADOC COPYRIGHT 2003 EPO on STN

184480215 INPADOC ED 20021002 EW 200239 UP 20021002 UW 200239 CONTROL DEVICES FOR CONTROLLING THE POSITION OF A MARINE SEISMIC STREAMER BITTLESTON SIMON HASTINGS BITTLESTON SIMON HASTINGS INS INA BITTLESTON SIMON HASTINGS PA BITTLESTON SIMON HASTINGS PAS PAA NO DTPatent USAA PATENT APPLICATION PUBLICATION (PRE-GRANT) PIT US 2002126575 AA 20020912 PΙ A 20010626 A 20010626 US 2001-893234 ΑI PRAI US 2001-893234 A 19961220 GB 1996-26442 B1 19990406 US 1999-284030

AB A control device or "bird" for controlling the position of a marine seismic streamer is provided with an elongate, partly flexible body which is designed to be electrically and mechanically connected in series with a streamer. In its preferred form, the bird has two opposed wings which are independently controllable in order to control the streamer's lateral position as well as its depth.

PATENT FAMILY INFORMATION AN 184480215 INPADOC

+PRAI		+	++
GB 1996-19699			AU 1997-43104 A 19970919
			EP 1997-919171 A 19970919
			GB 1996-19699 A 19960920
			GB 1997-26974 A 19971219
			GB 1999-5764 A 19970919
			US 1999-269016 A 19990317
			WO 1997-GB2536 A 19970919
GB 1996-26442	Α	19961220	AU 1998-53305 A 19971219
			DE 1997-69702673 A 19971219
			EP 1997-950296 A 19971219
			GB 1996-26442 A 19961220
			GB 1997-26974 A 19971219
			NO 1999-2701 A 19990603
			US 2001-893234 A 20010626
			WO 1997-GB3507 A 19971219
		19990406	US 2001-893234 A 20010626
US 2001-893234	Α		US 2001-893234 A 20010626
WO 1997-GB2536	W	19970919	AU 1997-43104 A 19970919
			EP 1997-919171 A 19970919
			GB 1999-5764 A 19970919
			US 1999-269016 A 19990317
WO 1997-GB3507	M	19971219	AU 1998-53305 A 19971219
			DE 1997-69702673 A 19971219
			EP 1997-950296 A 19971219
			NO 1999-2701 A 19990603
+TA		+	++
AU 1997-43104	А	19970919	AU 9743104 Al 19980414
	A	19971219	AU 734810 B2 20010621
			AU 9853305 A1 19980717
DE 1997-69702673	Α	19971219	DE 69702673 C0 20000831
<u> </u>		2 + · ==	

				DE	69702673	Т2	20010405
EΡ	1997-919171	Α	19970919	ΕP	932843	Α1	19990804
	1997-950296	Α	19971219	EΡ	939910	Α1	19990908
ш.	133. 330230			ΕP	939910	В1	20000726
GB	1996-19699	Α	19960920	GB	9619699	Α0	19961106
GB	1996-26442	A	19961220	GB	9626442	A0	19970205
	1997-26974	A	19971219	GB	2331971	A1	19990609
GD	1937 2031.	• •		GB	2331971	В2	19991117
				GB	9726974	ΑO	19980218
GB	1999-5764	Α	19970919	GB	2332275	Al	19990616
OD	1933 3701	•-		GB	2332275	B2	20010214
				GB	9905764	Α0	19990505
NO	1999-2701	А	19990603	NO	310127	В1	20010521
110	1939 2101			NO	9902701	Α	19990603
				NO	9902701	0A	19990603
US	1999-269016	А	19990317	US	6353577	BA	20020305
US	2001-893234	A	20010626	US	2002126575	AA	20020912
WO	1997-GB2536	A	19970919	WO	9812577	A1	19980326
WO	1997-GB3507	A	19971219	WO	9828636	A1	19980702

⁶ priorities, 14 applications, 23 publications

ANSWER 3 OF 9 INPADOC COPYRIGHT 2003 EPO on STN L2 LEVEL 2 AN 134498850 INPADOC ED 20010410 EW 200114 UP 20010410 UW 200114 STEUERGERAETE ZUR POSITIONSSTEUERUNG EINES MEERESSEISMISCHES MESSKABELS ΤI BITTLESTON, HASTINGS ΙN INS BITTLESTON HASTINGS INA SERVICES PETROLIERS SCHLUMBERGER, PARIS; SCHLUMBERGER HOLDINGS LTD., ROAD PAS SCHLUMBERGER SERVICES PETROL; SCHLUMBERGER HOLDINGS Patent PIT DET2 TRANSL. OF THE EUROPEAN PATENT SPECIFICATION DE 69702673 T2 20010405 PΙ AI DE 1997-69702673 A 19971219 PRAI GB 1996-26442 A 19961220 WO 1997-GB3507 W 19971219 PATENT FAMILY INFORMATION AN 134498850 INPADOC AU 1997-43104 A 19970919 EP 1997-919171 A 19970919 GB 1996-19699 A 19960920 GB 1997-26974 A 19971219 GB 1999-5764 A 19970919 US 1999-269016 A 19990317 WO 1997-GB2536 A 19970219 DE 1997-69702673 A 19971219 EP 1997-950296 A 19971219 GB 1996-26442 A 19961220 GB 1997-26974 A 19971219 NO 1999-2701 A 19990603 US 2001-893234 A 20010626 WO 1997-GB3507 A 19971219 US 2001-893234 A 20010626 US 2001-893234 A 20010626 AU 1997-43104 A 19970919 EP 1997-919171 A 19970919 EP 1997-919171 A 19970919 GB 1999-5764 A 19970919 US 1999-269016 A 19970317 AU 1998-53305 A 19971219 DE 1997-69702673 A 19971219 DE 1997-69702673 A 19971219 DE 1997-950296 A 19971219 NO 1999-2701 A 19990603 +----+ +-----GB 1996-19699 A 19960920 GB 1996-26442 A 19961220 B1 19990406 A 20010626 W 19970919 US 1999-284030 US 2001-893234 WO 1997-GB2536 WO 1997-GB3507 W 19971219 +----+ +-----+ AU 1997-43104 A 19970919 AU 1998-53305 A 19971219 DE 1997-69702673 A 19971219 A 19970919 EP 1997-919171 A 19971219 EP 1997-950296

GB 1996-19699 A 19960920 GB 9619699 GB 1996-26442 A 19961220 GB 9626442

GB 1997-26974	Α	19971219	GB 2331971		19990609
0			GB 2331971	B2	19991117
			GB 9726974	A0	19980218
GB 1999-5764	A	19970919	GB 2332275	A1	19990616
05 1933 0 0			GB 2332275	B2	20010214
			GB 9905764	A0	19990505
NO 1999-2701	А	19990603	NO 310127	B1	20010521
2355			NO 9902701	Α	19990603
			NO 9902701	A0	19990603
us 1999-269016	А	19990317	us 6353577	BA	20020305
US 2001-893234	А	20010626	US_2002126575	AA	20020912
WO 1997-GB2536	Α	19970919	WO 9812577	A1	19980326
WO 1997-GB3507	А	19971219	WO 9828636	A1	19980702

⁶ priorities, 14 applications, 23 publications

ANSWER 4 OF 9 INPADOC COPYRIGHT 2003 EPO on STN L2 LEVEL 2 112919635 INPADOC ED 20000801 EW 200030 UP 20000801 UW 200030 CONTROL DEVICES FOR CONTROLLING THE POSITION OF A MARINE SEISMIC STREAMER BITTLESTON, SIMON, HASTINGS INS BITTLESTON SIMON HASTINGS INA NO SCHLUMBERGER HOLDINGS LIMITED; SERVICES PETROLIERS SCHLUMBERGER PA SCHLUMBERGER HOLDINGS; SCHLUMBERGER SERVICES PETROL PAS PAA VG; FR TLEnglish; French; German LA English Patent DT PIT EPB1 PATENT EP 939910 B1 20000726 ΡI R: DE FR IT NL SE DS EP 1997-950296 A 19971219
WO 1997-GB3507 W 19971219
GB 1996-26442 A 19961220 ΑI PRAI WO 1997-GB3507 PATENT FAMILY INFORMATION AN 112919635 INPADOC AU 1997-43104 A 19970919
EP 1997-919171 A 19970919
GB 1996-19699 A 19960920
GB 1997-26974 A 19971219
GB 1999-5764 A 19970919
US 1999-269016 A 19990317
WO 1997-GB2536 A 19970919
AU 1998-53305 A 19971219
DE 1997-69702673 A 19971219
GB 1996-26442 A 19961220
GB 1997-26974 A 19971219
NO 1999-2701 A 19990603
US 2001-893234 A 20010626
WO 1997-GB3507 A 19971219
US 2001-893234 A 20010626
AU 1997-43104 A 19970919
EP 1997-919171 A 19970919
EP 1997-919171 A 19970919
GB 1999-5764 A 19970919
US 1999-269016 A 19970919
US 1999-269016 A 19970919
US 1999-69702673 A 19971219
US 1999-69702673 A 19971219
US 1999-69702673 A 19971219
US 1999-69702673 A 19971219
DE 1997-69702673 A 19971219
DE 1997-950296 A 19971219
DE 1997-950296 A 19971219
NO 1999-2701 A 19990603 +-----+ +----+ GB 1996-19699 A 19960920 A 19961220 GB 1996-26442 US 1999-284030 B1 19990406 A 20010626 US 2001-893234 WO 1997-GB2536 W 19970919

	+	+	PI+
A	19970919	AU 9743104	A1 19980414
A	19971219	AU 734810	B2 20010621
		AU 9853305	A1 19980717
A	19971219	DE 69702673	CO 20000831
		DE 69702673	T2 20010405
A	19970919	EP 932843	A1 19990804
Α	19971219	EP 939910	A1 19990908
		EP 939910	B1 20000726
	A A A	A 19971219 A 19971219 A 19970919	A 19970919 AU 9743104 A 19971219 AU 734810 AU 9853305 A 19971219 DE 69702673 DE 69702673 A 19970919 EP 932843 A 19971219 EP 939910

NO 1999-2701

A 19990603

WO 1997-GB3507 W 19971219

GB	1996-19699	Α	19960920	GB	9619699	A0	19961106
	1996-26442	Α	19961220	GB	9626442	A0	19970205
GB	1997-26974	Α	19971219	GB	2331971	A1	19990609
				GB	2331971	B2	19991117
				GB	9726974	0A	19980218
GB	1999-5764	Α	19970919	GB	2332275	Α1	19990616
-				GB	2332275	B2	20010214
				GB	9905764	ΑO	19990505
NO	1999-2701	Α	19990603	NO	310127	В1	20010521
				NO	9902701	Α	19990603
				NO	9902701	ΑO	19990603
US	1999-269016	Α	19990317	US	6353577	ΒA	20020305
US	2001-893234	Α	20010626	US	2002126575	AA	20020912
WO	1997-GB2536	Α	19970919	WO	9812577	A1	19980326 -
WO	1997-GB3507	Α	19971219	WO	9828636	A1	19980702

⁶ priorities, 14 applications, 23 publications

```
ANSWER 5 OF 9 INPADOC COPYRIGHT 2003 EPO on STN
   111417686 INPADOC ED 20010709 EW 200127 UP 20010709 UW 200127
     KONTROLLINNRETNINGER FOR AA KONTROLLERE BAADE HORISONTAL OG VERTIKAL
     POSISJONEN FOR EN MARIN SEISMISK STREAMER
     BITTLESTON, SIMON HASTINGS
     BITTLESTON SIMON HASTINGS
     SCHLUMBERGER HOLDINGS LTD
     SCHLUMBERGER HOLDINGS
PAA VG
DT
    Patent
PIT NOB1 GRANTED PATENT (LAW 1997)
PI NO 310127 B1 20010521
AI NO 1999-2701 A 19990603
PRAI GB 1996-26442 A 19961220
WO 1997-GB3507 W 19971219
PATENT FAMILY INFORMATION
AN 111417686 INPADOC
GB 1996-19699 A 19960920 AU 1997-43104 T 1000000
                                     GB 1996-26442 A 19961220
US 1999-284030 B1 19990406
US 2001-893234 A 20010626
WO 1997-GB2536 W 19970919
WO 1997-GB3507 W 19971219
```

ΑU	1997-43104	Α	19970919	ΑU	9743104	A1	19980414
ΑU	1998-53305	Α	19971219	ΑU	734810	В2	20010621
				ΑU	9853305	A1	19980717
DE	1997-69702673	Α	19971219	DE	69702673	C0	20000831
				DE	69702673	Т2	20010405
EΡ	1997-919171	Α	19970919	ΕP	932843	Al	19990804
ΕP	1997-950296	A	19971219	ΕP	939910	A1	19990908
				EΡ	939910	В1	20000726
GB	1996-19699	Α	19960920	GB	9619699	Α0	19961106
GB	1996-26442	Α	19961220	GB	9626442	Α0	19970205

+-----+

+----+

GB	1997-26974	A	19971219	GB	2331971	A1	19990609
GD	1997 2097.	•		GB	2331971	В2	19991117
				GB	9726974	Α0	19980218
GB	1999-5764	A	19970919	GB	2332275	A1	19990616
0.5	1333 6 1 1 1			GB	2332275	В2	20010214
				GB	9905764	0A	19990505
NO	1999-2701	Α	19990603	NO	310127	В1	20010521
				NO	9902701	Α	19990603
				NO	9902701		19990603
US	1999-269016	Α	19990317	US	6353577	BA	20020305
US	2001-893234	Α	20010626		2002126575	AΑ	20020912
WO	1997-GB2536	Α	19970919	WO	9812577	A1	19980326
MO	1997-GB3507	A	19971219	WO	9828636	A1	19980702

⁶ priorities, 14 applications, 23 publications

ANSWER 6 OF 9 INPADOC COPYRIGHT 2003 EPO on STN L2 LEVEL 2 48900033 INPADOC ED 20010730 EW 200130 UP 20010730 UW 200130 AN CONTROL DEVICES FOR CONTROLLING THE POSITION OF A MARINE SEISMIC STREAMER TΙ SIMON HASTINGS BITTLESTON IN INS BITTLESTON SIMON HASTINGS SCHLUMBERGER HOLDINGS LIMITED PA PAS SCHLUMBERGER HOLDINGS

DTPatent

PIT AUB2 PATENT (APP. ADVERTISED ACCEPTED)

AU 734810 B2 20010621
AU 1998-53305 A 19971219
GB 1996-26442 A 19961220
WO 1997-GB3507 W 19971219 PΙ ΑI PRAI GB 1996-26442

PATENT FAMILY INFORMATION AN 48900033 INPADOC

+		+	+AI		+
GB 1996-19699	Z	19960920	AU 1997-43104 EP 1997-919171 GB 1996-19699 GB 1997-26974	А	19970919
GB 1990 19099	11	13300320	EP 1997-919171	A	19970919
			GB 1996-19699	A	19960920
			GB 1997-26974	A	19971219
			GB 1999-5764	A	19970919
			US 1999-269016		
			WO 1997-GB2536	A	
GB 1996-26442	А	19961220		A	
02 1000 20112	•••		DE 1997-69702673	Α	
			EP 1997-950296	Α	19971219
			GB 1996-26442	А	
					19971219
			GB 1997-26974 NO 1999-2701	Α	19990603
			US 2001-893234	A	20010626
			WO 1997-GB3507	A	19971219
US 1999-284030	В1	19990406	US 2001-893234	Α	20010626
US 2001-893234			US 2001-893234	Α	20010626
WO 1997-GB2536	W	19970919	AU 1997-43104	Α	19970919
			EP 1997-919171	Α	
			GB 1999-5764	A	19970919
			US 1999-269016	A	19990317
WO 1997-GB3507	W	19971219	AU 1998-53305	Α	19971219
			DE 1997-69702673	Α	19971219
			EP 1997-950296	Α	19971219
			NO 1999-2701	Α	19990603
+A1		10070010	+PI AU 9743104	7.1	10000414
AU 1997-43104 AU 1998-53305	A	19970919	AU 9743104 AU 734810 AU 9853305	W.T.	19980414
AU 1998-533U5	А	199/1219	AU /3401U	DZ	10000717
DE 1997-69702673	Α	19971219	DE 69702673	AT.	2000011
DE 1997-69702673	A	199/1219	DE 69702673 DE 69702673	т2	20000031
EP 1997-919171	А	19970919	EP 932843	Δ1	20000831 20010405 19990804
EP 1997-950296	A	19971219	EP 939910	7.1	19990908
Er 1997-930290	А	19911619	EP 939910	D1	20000726
GB 1996-19699	Z \	19960920	GB 9619699	חב	19961106
GB 1996-26442		19961220	GB 9626442	AΩ	19961106 19970205 19990609
GB 1990-26974	A	19971219	GB 2331971	<u>210</u>	19990609
GD 1991-20914	Λ	17711217			19991117
			GB 2331371 GB 9726974		19980218
			35 5/205/1	0	

GB 1999-5764	A	19970919	GB 2332275 GB 2332275	A1 19990616 B2 20010214
NO 1999-2701	А	19990603	GB 9905764 NO 310127 NO 9902701	A0 19990505 B1 20010521 A 19990603
US 1999-269016 US 2001-893234 WO 1997-GB2536 WO 1997-GB3507	A A A	19990317 20010626 19970919 19971219	NO 9902701 US 6353577 US 2002126575 WO 9812577 WO 9828636	A0 19990603 BA 20020305 AA 20020912 A1 19980326 A1 19980702

⁶ priorities, 14 applications, 23 publications

ANSWER 7 OF 9 INPADOC COPYRIGHT 2003 EPO on STN L2

LEVEL 1

47322455 INPADOC EW 199829 UP 20011203 UW 200148 AN

CONTROL DEVICES FOR CONTROLLING THE POSITION OF A MARINE SEISMIC STREAMER ΤI

BITTLESTON, SIMON, HASTINGS ΤN

BITTLESTON SIMON HASTINGS INS

INA

GECO AS; BITTLESTON, SIMON, HASTINGS PΑ

GECO AS; BITTLESTON SIMON HASTINGS

NO; NO

English; French TL

LA English

DT Patent

WOA1 PUBL.OF THE INT.APPL. WITH INT.SEARCH REPORT PIT

A1 19980702 WO 9828636 PΙ

RW: GH GM KE LS MW SD SZ UG ZW AT BE CH DE DK ES FI FR GB GR IE IT LU MC DS

W: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GE GH HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW AM AZ BY KG KZ MD RU TJ TM

ΑI WO 1997-GB3507 GB 1996-26442 PRAI

A 19971219

A 19961220

OSDW 98-377798

A control device (10) (or "bird") for controlling the position of a marine seismic streamer is provided with an elongate, partly flexible, body (12) which is designed to be connected electrically and mechanically in series with the streamer (14). In its preferred form, the bird has two opposed wings (24), which are independently controllable in order to control the streamers lateral position, as well as its depth.

PATENT FAMILY INFORMATION 47322455 INPADOC

+PRAI-			+AI		
GB 1996-19699	Α		AU 1997-43104	А	19970919
GD 1990 19099	••	23300320	EP 1997-919171	A	19970919
			GB 1996-19699	A	19960920
			GB 1997-26974	Α	19971219
			GB 1999-5764	Α	19970919
			US 1999-269016	Α	19990317
			WO 1997-GB2536	Α	19970919
GB 1996-26442	Α	19961220	AU 1998-53305	Α	19971219
			DE 1997-69702673	Α	19971219
			EP 1997-950296	Α	19971219
			GB 1996-26442	Α	19961220
			GB 1997-26974	А	19971219
			NO 1999-2701	Α	19990603
			US 2001-893234	Α	20010626
			WO 1997-GB3507	Α	19971219
US 1999-284030	В1		US 2001-893234	Α	20010626
US 2001-893234	Α	20010626	US 2001-893234	A	20010626
WO 1997-GB2536	W	19970919	AU 1997-43104	A	19970919
			EP 1997-919171	А	19970919
			GB 1999-5764	A	19970919
			US 1999-269016	A	19990317
WO 1997-GB3507	W	19971219	AU 1998-53305	A	19971219
			DE 1997-69702673	Α	19971219
			EP 1997-950296	Α	19971219

				NO	1999-2701	Α	19990603
+	AI	_ .	+	+	PI		+
	1997-43104	А	19970919	AU	9743104	A1	19980414
	1998-53305	Α	19971219	AU	734810	В2	20010621
	1330			AU	9853305	A1	19980717
DE	1997-69702673	Α	19971219	DE	69702673	C0	20000831
				DE	69702673	Т2	20010405
EΡ	1997-919171	Α	19970919	EΡ	932843	A1	19990804
	1997-950296	Α	19971219	EΡ	939910	A1	19990908
				EΡ	939910	В1	20000726
GB	1996-19699	Α	19960920	GB	9619699	Α0	19961106
	1996-26442	A	19961220	GB	9626442	A0	19970205
	1997-26974	Α	19971219	GB	2331971	A1	19990609
				GB	2331971	B2	19991117
				GB	9726974	A0	19980218
GB	1999-5764	Α	19970919	GB	2332275	A1	19990616
				GB	2332275	В2	20010214
				GB	9905764	A0	19990505
NO	1999-2701	Α	19990603	NO	310127	В1	20010521
				NO	9902701	A	19990603
				NO	9902701	ΑO	19990603
US	1999-269016	Α	19990317	US	6353577	BA	20020305
US	2001-893234	Α	20010626	US	2002126575	AA	20020912
WO	1997-GB2536	Α	19970919	WO	9812577	A1	19980326
WO	1997-GB3507	Α	19971219	WO	9828636	A1	19980702

⁶ priorities, 14 applications, 23 publications

ANSWER 8 OF 9 INPADOC COPYRIGHT 2003 EPO on STN L2 LEVEL 3 41972116 INPADOC ED 19991130 EW 199947 UP 20011203 UW 200148 AN CONTROL DEVICES FOR CONTROLLING THE POSITION OF A MARINE SEISMIC STREAMER ΤI SIMON HASTINGS * BITTLESTON ΙN INS BITTLESTON SIMON HASTINGS INA * GECO A S; * SCHLUMBERGER HOLDINGS LIMITED PA PAS GECO AS; SCHLUMBERGER HOLDINGS PAA NO; VG Patent DТ PIT GBB2 PATENT GRANTED GB 2331971 B2 19991117 PΤ GB 1997-26974 A 19971219
GB 1996-26442 A 19961220
GB 1996-19699 A 19960920 AI GB 1997-26974 PRAI GB 1996-26442 PATENT FAMILY INFORMATION AN 41972116 INPADOC +----+ +-----

				GB	2331971	B2	19991117
				GB	9726974	A0	19980218
GB	1999-5764	Α	19970919	GB	2332275	A1	19990616
				GB	2332275	B2	20010214
	•			GB	9905764	A0	19990505
NO	1999-2701	A	19990603	NO	310127	В1	20010521
				NO	9902701	Α	19990603
				NO	9902701	ΑO	19990603
US	1999-269016	Α	19990317	US	6353577	ΒA	20020305
US	2001-893234	Α	20010626	US	2002126575	AA	20020912
WO	1997-GB2536	Α	19970919	WO	9812577	Al	19980326
WO	1997-GB3507	Α	19971219	WO	9828636	Α1	19980702

⁶ priorities, 14 applications, 23 publications

L2 ANSWER 9 OF 9 INPADOC COPYRIGHT 2003 EPO on STN

LEVEL 1

AN 19448004 INPADOC

TI CONTROL DEVICES FOR CONTROLLING THE POSITION OF A MARINE SEISMIC STREAMER

PA GECO A S PAS GECO AS

PAS GECO AS DT Patent

PIT GBAO APPLICATION FOR PATENT

 PI
 GB
 9626442
 A0
 19970205

 AI
 GB
 1996-26442
 A
 19961220

 PRAI
 GB
 1996-26442
 A
 19961220

PATENT FAMILY INFORMATION AN 19448004 INPADOC

· DDAT		1	++
GB 1996-19699	- -	19960920	AU 1997-43104 A 19970919
02 2330 2303			EP 1997-919171 A 19970919
			EP 1997-919171 A 19970919 GB 1996-19699 A 19960920
			GB 1997-26974 A 19971219
			GB 1999-5764 A 19970919 US 1999-269016 A 19990317
			WO 1997-GB2536 A 19970919
GB 1996-26442	Α	19961220	AU 1998-53305 A 19971219
			DE 1997-69702673 A 19971219
			EP 1997-950296 A 19971219
			GB 1996-26442 A 19961220
			GB 1997-26974 A 19971219
			NO 1999-2701 A 19990603
			US 2001-893234 A 20010626
			WO 1997-GB3507 A 19971219
US 1999-284030	В1	19990406	US 2001-893234 A 20010626
US 2001-893234	Α	20010626 19970919	US 2001-893234 A 20010626
WO 1997-GB2536	W	19970919	AU 1997-43104 A 19970919
			EP 1997-919171 A 19970919
			GB 1999-5764 A 19970919
			US 1999-269016 A 19990317
WO 1997-GB3507	W	19971219	
			DE 1997-69702673 A 19971219
			EP 1997-950296 A 19971219
			NO 1999-2701 A 19990603
+AI		+	+
AU 1997-43104			AU 9743104 A1 19980414
AU 1998-53305	A	19971219	AII 73/810 B2 20010621
			AU 9853305 A1 19980717
DE 1997-69702673	Α	19971219	DE 69702673 CO 20000831
			DE 69702673 T2 20010405
EP 1997-919171	Α	19970919	EP 932843 A1 19990804
EP 1997-950296	Α	19971219	EP 939910 A1 19990908
			EP 939910 B1 20000726
GB 1996-19699	Α	19960920	GB 9619699 A0 19961106
GB 1996-26442		19961220	GB 9626442 AO 19970205
GB 1997-26974		19971219	GB 2331971 Al 19990609
			GB 2331971 B2 19991117
			GB 9726974 A0 19980218
GB 1999-5764	А	19970919	GB 2332275 A1 19990616
			GB 2332275 B2 20010214
			GB 9905764 A0 19990505

ه احد

NO 1999-2701	А	19990603	NO 310127 NO 9902701 NO 9902701	B1 20010521 A 19990603 A0 19990603
US 1999-269016 US 2001-893234 WO 1997-GB2536 WO 1997-GB3507	A A	19990317 20010626 19970919 19971219	US 6353577 US 2002126575 WO 9812577 WO 9828636	BA 20020305 AA 20020912 A1 19980326 A1 19980702

⁶ priorities, 14 applications, 23 publications